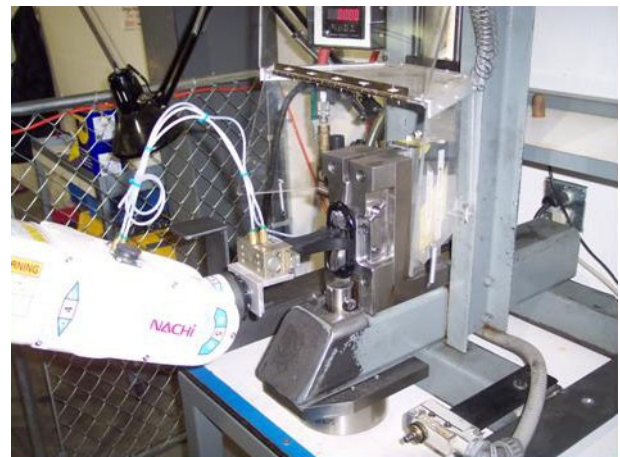
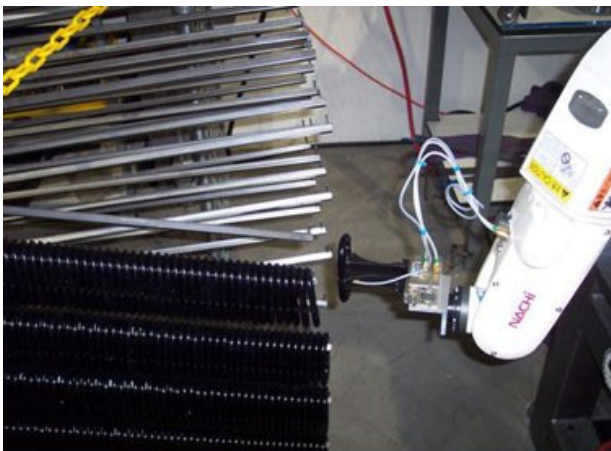


## CASE STUDY - Machine Tending Application

**Industry:** Consumer Goods  
**Robot:** Nachi Presto VS05LE AXC  
**Company:** Olympus Controls - Beaverton, Oregon  
[www.olympus-controls.com](http://www.olympus-controls.com)

### Application Summary

- Cold-formed carabineer manufacturing
- Transport assembled carabineer from a series of racks to a load tester
- Racks hold a total of approximately 2,300 carabineers
- Use onboard I/O to actuate hydraulic load tester and confirm proper load requirements
- Reject faulty carabineers while stacking properly tested units
- Reduce operator fatigue and pinch hazards while increasing part throughput
- Eliminate possible human error from most critical test in the assembly process



### Application Highlights

- Customer contacted Nachi Robotic Systems - lead was referred to Olympus Controls
- Customer was able to integrate their own robot after attending a Nachi robot training course
- By using robotic work cells as a way to reduce labor costs, ROI calculations demonstrated to management that Nachi could provide a very competitive value proposition in helping to reduce labor costs and improve product testing cycles